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| (4/08) | |

Please type a plus sign (+) inside this box

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION **TRANSMITTAL**

CRO01.NP001 Attorney Docket No. CROCE, Carlo M. First Inventor or Application Identifier Title NITRILASE HOMOLOGS EE 388 355 653 US (Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)) Express Mail Label No.

| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application cont | ents. | ADDRESS | | | /35 |
|---|--|---|--|--------------------------------------|----------|
| Y * Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) |) | | fiche Computer Pro | Ť | |
| 2. X Specification [Total Pages (preferred arrangement set forth below) | [8] | Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) | | | |
| - Descriptive title of the Invention | | a | Computer Reada | ble Copy | |
| Cross References to Related Applications Statement Regarding Fed sponsored R & D | | b | Paper Copy (iden | itical to computer copy) | |
| - Reference to Microfiche Appendix | | c | Statement verifyir | ng identity of above copi | es |
| - Background of the Invention | | ACCO | MPANYING APP | PLICATION PARTS | |
| - Brief Summary of the Invention | | 7. X Assigi | nment Papers (cov | er sheet & document(s)) | |
| Brief Description of the Drawings (if filed) Detailed Description | l , | _ === 37 C.i | F.R.§3.73(b) Stater | ment X Power of | |
| - Claim(s) | | (when | n there is an assign | | |
| - Abstract of the Disclosure | l` | | an Translation Doct | ument (if applicable) Copies of ID: | s |
| 3. X Drawing(s) (35 U.S.C. 113) [Total Sheets | 6 1 10 | 3 | ment (IDS)/PTO-14 | 1 1 ' | , |
| 4. Oath or Declaration [Total Pages | 2] ₁ 1 | 1. Prelim | ninary Amendment | | |
| a. X Newly executed (original or copy) | 12 | | n Receipt Postcard Ild be specifically its | | |
| b. Copy from a prior application (37 C.F.F. | | · Sma | ıll Entity — Sta | tement filed in prior appli | ication. |
| i DELETION OF INVENTOR(S) | 13 | (PTO/S | ment(s) Sta SB/09-12) | tus still proper and desire | |
| Signed statement attached de inventor(s) named in the prior ag | • • • • • • • • • • • • • • • • • • • | 4 1 1 | led Copy of Priority eign priority is claim | | |
| see 37 C.F.R. §§ 1.63(d)(2) and | 1.22/b) | 5. Other | | | |
| FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.2) | * NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT | | | | |
| IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R | | the requisite infe | ormation below and in | a proliminant amandment: | |
| 16. If a CONTINUING APPLICATION, check appropriate Continuation Divisional Continuation | <i>box, and supply</i> n-in-part (CIP) | | pplication No: | | |
| Prior application information: Examiner | | | Group / Art Unit: | | - |
| For CONTINUATION or DIVISIONAL APPS only: The entire dunder Box 4b, is considered a part of the disclosure of the | ccompanying o | continuation or | divisional application | n and is hereby incorporat | ted by |
| reference. The incorporation can only be relied upon when | a portion has b | een inadvertent | tly omitted from the | submitted application part | s. |
| 17. CORRES | SPONDENCE | E ADDRESS | | | |
| Customer Number or Bar Code Label (Insert Customer | No. or Attach ba | ar code label here | | respondence address below | , |
| Clifford Kent Weber, Esq. | *************************************** | *************************************** | | | |
| Name | | | | | |
| Thomas Jefferson University - (| Office of U | niversity C | Counsel | | |
| 1020 Walnut Street - Suite 620 | | | | | |
| city Philadelphia | State PA | | Zip Code | 19107-5587 | |
| Country Philadelphia Teleph | hone (21: | 5) 503-075 | 7 Fax | (215) 923-3613 | |
| Name (Print/Type) Clifford Kent Weber | | Registration | No. (Attorney/Agent) | 42,215 | 1 |
| Signature Chilled Wet Weber | | | Date | 7/28/90 | 1 |

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PTO/SB/11 (12-97)

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| STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(d))NONPROFIT ORGANIZATION | Docket Number (Optional) CRO01.NP001 |
|--|---|
| Applicant, Patentee, or Identifier: CROCE, Carlo M. Application or Patent No.: Not known | |
| Filed or Issued: July 20, 1999 | |
| Title: NITRILASE HOMOLOGS | |
| I hereby state that I am an official empowered to act on behalf of the nonprofit organization identification NAME OF NONPROFIT ORGANIZATION Thomas Jefferson University ADDRESS OF NONPROFIT ORGANIZATION 11th and Walnut Streets Philadelphia, PA 19107 | |
| | |
| TYPE OF NONPROFIT ORGANIZATION: UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION | |
| TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 U.S.C. 501(a) and 501(| (c)(3)) |
| NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNI (NAME OF STATE | |
| ☐ WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 LIF LOCATED IN THE UNITED STATES OF AMERICA | J.S.C. 501(a) and 501(c)(3)) |
| ☐ WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATES OF AMERICA (NAME OF STATE | |
| I hereby state that the nonprofit organization identified above qualifies as a nonprofit organization of the United States Patent and Trademark Office regard in: | zation as defined in 37 CFR |
| the specification filed herewith with title as listed above. the application identified above. the patent identified above. | |
| I hereby state that rights under contract or law have been conveyed to and remain with regarding the above identified invention. If the rights held by the nonprofit organization are not concern, or organization having rights in the invention must file separate statements as to their sthat no rights to the invention are held by any person, other than the inventor, who would not qualify under 37CFR 1.9(c) if that person made the invention, or by any concern which would not qualify a under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). | exclusive, each individual, status as small entities and as an independent inventor |
| Each person, concern, or organization having any rights in the invention is listed below: | |
| ☑ no such person, concern, or organization exists. ☐ each such person, concern, or organization is listed below. | |
| I acknowledge the duty to file, in this application or patent, notification of any change in entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue f due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)) | status resulting in loss of ee or any maintenance fee |
| NAME OF PERSON SIGNING Alan B. Kelly, Esq. | |
| TITLE IN ORGANIZATION OF PERSON SIGNING University Counsel | |
| ADDRESS OF PERSON SIGNING Thomas Afferson University, 1020 Walnut Street, Philadelphia, | PA 19107 |
| SIGNATURE $\sqrt{\frac{7/20/99}{}}$ | |
| | |

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PTO/SB/17 (12-98)
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FEE TRANSMITTAL for FY 1999

Patent fees are subject to annual revision. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

693.00 **TOTAL AMOUNT OF PAYMENT** (\$)

| | | _ | |
|----------------------|-----------------|---|--|
| Complete if Known | | | |
| Application Number | Not Known | | |
| Filing Date | July 20, 1999 | | |
| First Named Inventor | CROCE, Carlo M. | | |
| Examiner Name | | | |
| Group / Art Unit | | | |
| Attorney Docket No. | CRO01.NP001 | | |

| METHOD OF PAYMENT (check one) | FEE CALCULATION (continued) | |
|---|--|----------|
| The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: | 3. ADDITIONAL FEES Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Fee Description | Fee Paid |
| Account Number 50-0491 | 105 130 205 65 Surcharge - late filing fee or oath | |
| Deposit Account Name Thomas Jefferson University | 127 50 227 25 Surcharge - late provisional filing fee or cover sheet. | |
| Charge Any Additional | 139 130 139 130 Non-English specification | |
| Fee Required Under 37 CFR 1.16 and 1.17 | 147 2,520 147 2,520 For filing a request for reexamination | |
| | 112 920* 112 920* Requesting publication of SIR prior to Examiner action | |
| 2. Payment Enclosed: Check Money Other | 113 1,840* 113 1,840* Requesting publication of SIR after Examiner action | |
| | 115 110 215 55 Extension for reply within first month | |
| FEE CALCULATION | 116 380 216 190 Extension for reply within second month | |
| 1. BASIC FILING FEE Large Entity Small Entity | 117 870 217 435 Extension for reply within third month | |
| Fee Fee Fee Fee Description | 118 1,360 218 680 Extension for reply within fourth month | |
| Code (\$) Code (\$) Fee Paid 101 760 201 380 Utility filing fee 380 | 128 1,850 228 925 Extension for reply within fifth month | |
| 106 310 206 155 Design filing fee | 119 300 219 150 Notice of Appeal | |
| 107 480 207 240 Plant filing fee | 120 300 220 150 Filing a brief in support of an appeal | |
| 108 760 208 380 Reissue filing fee | 121 260 221 130 Request for oral hearing | |
| 114 150 214 75 Provisional filing fee | 138 1,510 138 1,510 Petition to institute a public use proceeding | |
| | 140 110 240 55 Petition to revive - unavoidable | |
| SUBTOTAL (1) (\$) 380 | 141 1,210 241 605 Petition to revive - unintentional | |
| 2. EXTRA CLAIM FEES | 142 1,210 242 605 Utility issue fee (or reissue) | |
| Fee from Ext <u>ra Claim</u> s <u>below Fee Paid</u> | 143 430 243 215 Design issue fee | |
| Total Claims 16 -20** = 0 X = 0 | 144 580 244 290 Plant issue fee | |
| Independent 10 - 3** = 7 x 39 = 273 | 122 130 122 130 Petitions to the Commissioner | |
| Multiple Dependent = | 123 50 123 50 Petitions related to provisional applications | |
| **or number previously paid, if greater; For Reissues, see below | 126 240 126 240 Submission of Information Disclosure Stmt | |
| Large Entity Small Entity Fee Fee Fee Fee Fee Description Code (\$) Code (\$) | 581 40 581 40 Recording each patent assignment per property (times number of properties) | 40 |
| 103 18 203 9 Claims in excess of 20 | 146 760 246 380 Filing a submission after final rejection | |
| 102 78 202 39 Independent claims in excess of 3 104 260 204 130 Multiple dependent claim, if not paid | (37 CFR 1.129(a)) 149 760 249 380 For each additional invention to be examined (37 CFR 1.129(b)) | |
| 109 78 209 39 ** Reissue independent claims over original patent | Other fee (specify) | |
| 110 18 210 9 ** Reissue claims in excess of 20 and over original patent | Other fee (specify) | |
| SUBTOTAL (2) (\$) 273 | Reduced by Basic Filing Fee Paid SUBTOTAL (3) | 40 |

| SUBMITTED BY | SUBMITTED BY | | | Complete (if applicable) | |
|--------------------------|---------------------------|--------------|----------------------------|--------------------------|--|
| Typed or Printed Name | Zi i Ciliford Kelit Weber | | Reg. Number | 42,215 | |
| Signature | Cliffed Feat Weller | Date 7/20/99 | Deposit Account User ID | 50-0491 | |



IN THE UNITED STATES PATENTAND TRADEMARK OFFICE

ATTORNEY DOCKET NO.:

CRO01.NP001

TITLE:

NITRILASE HOMOLOGS

INVENTOR(S):

CROCE, Carlo M.

"Express Mail" Label No. **EE 388 355 653 US** Date of Deposit –**July 20, 1999**

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